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Cited reference 1 discloses a heat treating apparatus including a heating furnace 1, a transporting device 4 for transporting a casting 3 having a sand core in the heating furnace 1, a heater 5, a heat blocking plate 7, and a fan 8. The air heated by the heater 5 is circulated from the fan 8 to the casting 3 and back to the fan 8 by the heat blocking plate 7. The sand which falls from the casting 3 is discharged outside by a screw conveyor 12 through a chute 13.

Reference 1

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